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Fujitsu recommends Windows 7.

DATASHEET

FUJITSU ESPRIMO C5731 E-STAR 5.0 DESKTOP PC

THE ULTRA SMALL PROFESSIONAL PC

ESPRIMO C5731 E-STAR 5.0

The ESPRIMO C Ultra small form factor PC: Enjoy maximum desktop performance and benefit from the compact design for those offices with limited space. Comfortable working - ergonomic, quiet and reliable. The sophisticated design of the ESPRIMO C provides simple and secure administration and, as a result of our made4you concept, can be easily adapted to specific customer requirements. Environmental compatibility was considered and optimized as early as the product development phase, which is why the ESPRIMO C today already meets the environmental protection requirements of tomorrow, for example ENERGY STAR® 5.0.

COMPACT DESIGN

Fully fledged PC for office environments that requires a minimum of space and can be installed both in a horizontal and vertical position.

- Ultra small form factor PC, power supply, legacy interfaces and powered serial ports integrated with a volume of only 6.9 liters

COMPACT BUT EXPANDABLE

Optimal expandability despite low volume.

- Up to 500 GB hard drive and PCI Low Profile Slot

ENERGY SAVING

Reduced power costs and consumption without any loss in performance.

- Energy-saving processor technology and 87% efficiency power supply

FAMILY CONCEPT

Reduced test and evaluation costs for the existing PC infrastructure.

- Uniform technology platform and bitimage for the 5730 and 5731 series from Fujitsu



COMPONENTS

PROCESSOR	Intel® Core™2 Duo processor E8600 (2 Cores / 2 Threads, 3.33 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo processor E8500 (2 Cores / 2 Threads, 3.16 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo processor E8400 (2 Cores / 2 Threads, 3.0 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo processor E7600 (2 Cores / 2 Threads, 3.06 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo processor E7500 (2 Cores / 2 Threads, 2.93 GHz, 3 MB, 1066 MHz)
	Intel® Pentium® processor E6300 (2 Cores / 2 Threads, 2.8 GHz, 2 MB, 1066 MHz)
	Intel® Pentium® processor E5500 (2 Cores / 2 Threads, 2.8 GHz, 2 MB, 1066 MHz)
	Intel® Pentium® processor E5400 (2 Cores / 2 Threads, 2.7 GHz, 2 MB, 800 MHz)
	Intel® Celeron® processor E3200 (2 Cores / 2 Threads, 2.4 GHz, 1 MB, 800 MHz)
OPERATING SYSTEM	
Operating system optional preinstalled	Microsoft® Windows® 7 Home Premium Microsoft® Windows® 7 Professional TwinLoad Microsoft® Windows® XP Professional (DVD)
Operating system compatible	Linux Microsoft® Windows® XP Professional x64 Edition Microsoft® Windows® Vista®
Operating system notes	All Windows® 7 versions are Office 2007 ready. Please be aware that your Microsoft support for Windows XP is limited due to the fact that the end of the Extended Support Phase has been reached. Additionally, please be aware that Fujitsu Technology Solutions may only provide limited support for Windows XP due to the limited Windows XP support offered by Microsoft because of the discontinued Windows XP certification on system level.
MEMORY MODULES	1 GB (1 module(s) 1 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM
	2 GB (1 module(s) 2 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM
	4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM
HARD DISK DRIVES (INTERNAL)	SSD SATA, 128 GB, 2.5-inch
	SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 160 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T.
	CF module IDE, 512 MB
	CF module IDE, 4 GB, (300x)
	CF module IDE, 1 GB
Hard disk notes	Supporting NCQ and 3 GBit CF Modules for thin client usage (with or without embedded software)
DRIVES (OPTIONAL)	DVD Super Multi
	DVD Super Multi Slot-in slim
INTERFACE ADD ON CARDS/COMPONENTS (OPTIONAL)	
	Parallel Interface
	eSATA Interface
	Dual serial card PCI LP
Base unit	ESPRIMO C5731 E-Star5
MAINBOARD	
Mainboard type	D3004
Formfactor	proprietary
Chipset	Intel® Q43

MAINBOARD

Processor socket	LGA 775
Processor quantity maximum	1
System bus (FSB / HT / QPI)	up to 1333 MHz
Memory slots	4 DIMM (DDR3)
Supported capacity RAM (max.)	16 GB
Memory frequency	1066 MHz
Memory notes	Dual channel support. For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules).
LAN	10/100/1000 MBit/s Intel® 82567 LF
BIOS version	Phoenix 6.0
BIOS features	BIOS Flash EPROM update by software Recovery BIOS
Audio codec	Realtek ALC663
Audio features	Internal speaker supports audio playback, High Definition audio

I/O CONTROLLER ON BOARD

Serial ATA total	3
thereof eSATA	1 (optional)
Controller functions	Serial ATA II NCQ and 3 GBit AHCI

INTERFACES

Audio: line-in	1
Audio: line-out	1
Front audio: microphone	1
Front audio: headphone	1
USB 2.0 total	10
USB front	3
USB rear	6
USB internal	1
VGA	1
DVI	1 (DVI-D)
Serial (RS-232)	2 (powered, 9pin, 16 byte FIFO, 16550 compatible)
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1
Parallel	1 (optional) (25pin with EPP and ECP)
Interface Module notes	Anytime USB charge functionality

INPUT DEVICE / COMPONENTS

	Optical USB tilt wheel mouse
Input devices (optional)	Optical USB/PS2 tilt wheel mouse

DRIVE BAYS

Drive bays total	2
3.5-inch internal bays	1
5.25-inch external bays	1
Drive bay notes	slim optical disc drive

SLOTS

PCI (32-bit / 33 MHz)	1 x (174 mm) low profile
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GRAPHICS ON BOARD

Graphics brand name	Intel® GMA 4500
Shared video memory	up to 1759 MB
Refresh rate 1024 x 768 (recommended / max.)	85 Hz / -

GRAPHICS ON BOARD

Refresh rate 1280 x 1024 (recommended / max.)	85 Hz / -
Refresh rate 1600 x 1200 (recommended / max.)	85 Hz / -
TFT resolution (VGA)	1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel
TFT resolution (DVI)	1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel
Graphics features	DirectX 10 DualView possible with DVI and VGA HDCP support
Graphics notes	Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size Resolution (color depth up to 32 Bit/pixel) For TFT we recommend using 60Hz

ELECTRICAL VALUES

Power efficiency note	power supply efficiency (at 230V; 20% / 50% / 100% load) : 82% / 87% / 87%
Rated voltage range	100 - 240 V
Rated frequency range	50 - 60 Hz
Operating voltage range	90 - 264 V
Operating line frequency range	47 - 63 Hz
Max. output of single power supply	218 W
Power factor correction/active power	active
Monitor outlet	No

POWER CONSUMPTION

Power consumption note	See white paper Energy Consumption
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=ea8cb498-f757-4d7b-8262-28583cd9e1b1

HEAT DISSIPATION

Heat dissipation notes	See white paper Energy Consumption
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NOISE FOR STANDARD CONFIGURATION (HDD, ODD, FDD)

Noise emission	According to ISO9296
Noise Operation mode 1: ODD load (Blue angel requirement)	4.6 B / 32 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	3.8 B / 23 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	4.2 B / 27 dB(A)
Noise Operation mode 4: High load	4.2 B / 27 dB(A)
Noise Operation mode 5: Office applications	3.8 B / 22 dB(A)
Idle mode (Blue Angel requirement)	3.7 B / 22 dB(A)
Noise notes / description	A weighted sound power level L _{wad} (in B) / workplace related A-weighted sound pressure level L _{pAm} (in dB(A)), Bystander position

DIMENSIONS / WEIGHT / ENVIRONMENTAL

Dimensions (W x D x H)	264 x 299 x 88 mm
Operating position	Vertical / horizontal (no feet needed)
Weight	approx. 9 kg
Weight notes	Actual weight may vary depending on configuration

DIMENSIONS / WEIGHT / ENVIRONMENTAL**Operating ambient temperature** 10 - 35°C**COMPLIANCE****Product** ESPRIMO C5731**Model** USD-D3004**Germany** Blauer Engel / Blue Angel
GS optional**Europe** CE
Nordic Swan
EN 60601-1-2**USA/Canada** FCC Class B
CSA**Global** RoHS (Restriction of hazardous substances)
WEEE (Waste electrical and electronic equipment)
Microsoft Operating Systems (HCT / HCL entry / WHQL)
ENERGY STAR® 5.0
EPEAT® Silver**Compliance link** <https://sp.ts.fujitsu.com/sites/certificates/default.aspx>**ADDITIONAL SOFTWARE****Additional software (preinstalled)** Nero Essentials S (burning software)**Additional software (optional)** Recovery DVD for Windows®
Drivers & Utilities DVD (DUDVD)**COMPATIBILITY (REFERENCES)**DMI 2.0
PC 2001
WMI 1.5
USB 2.0**MANAGEABILITY****Manageability features** ASF 2.0 (Alert Standard Format)
DeskUpdate Driver management
PXE 2.1 Boot code
BootP Boot Code including Bootmanage Administrator Software (tested)
Wake up from S5 (off mode)
Intrusion switch (optional)
Intel® Standard Manageability**Manageability type** DeskView 10.x client management including:**DeskView features** On/Offline remote client management
Detailed system inventory management and reports
BIOS Management
Remote power management
System notifications
Advanced alerts (ASF implementation)
Security Remote Control
DeskView Helpdesk Integration
WoL (Wake on LAN)**Manageability link** <http://ts.fujitsu.com/manageability>
<http://www.altiris.com/fujitsu>**SECURITY****Physical security** Kensington Lock support
Eye for padlock
Optional: Integrated cabinet lock**System security** Boot sector virus protection
Write protect option for the Flash EPROM
Embedded security (TPM 1.2)
Control of all USB interfaces
External USB ports can be disabled separately
Boot protection for floppy disk / CD drive and write protection for floppy disk drive
Control of external interfaces

SECURITY

User security	User and supervisor BIOS password SystemLock 2 BIOS SmartCard Security Hard disk password Optional: Access protection via external SmartCard reader Optional: Access protection via internal SmartCard reader
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SERVICEABILITY

	EasyFix EasyChange for HDD
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PACKAGING INFORMATION

Packaging dimension	398x300x520 mm
Max. quantity / pallet	32
Material - Weight (g) Carton	880 g
Material - Weight (g) EPS / PS	250 g
Material - Weight (g) PE	appr. 60 g
Packaging notes	printed user documentation is bleached in chlorine free process

WARRANTY

Standard Warranty	1 year
Service level	Bring-In / On-Site Service (depending on country)

MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION

Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	5 years
Service Weblink	http://ts.fujitsu.com/Supportservice

FUJITSU PLATFORM SOLUTIONS

In addition to Fujitsu ESPRIMO C5731 E-Star 5.0, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

www.fujitsu.com/global/services/computing/

Software

www.fujitsu.com/software/

MORE INFORMATION

Learn more about Fujitsu ESPRIMO C5731 E-Star 5.0, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
<http://ts.fujitsu.com/ESPRIMO>

FUJITSU GREEN POLICY INNOVATION

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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